base. As discussed above, the locking positions are defined by grooves formed in the interior surface of the sleeve 86 and a detent formed on the exterior of the cylinder of the hinge 74. The engagement between the detent and groove of the hinge 74 is sufficient to securely retain the display member 14 in the closed position with the arm members substantially parallel to the base. As the arm assembly 16 approaches the zero or closed position, with the detent approaching the edge of the groove, the detent has a tendency to move into the groove such that the display member 14 is snapped toward the base 12, facilitating closure of the computer 10. Thus, in the illustrated embodiment of this invention a separate locking mechanism is not provided. However, it is to be understood that a mechanism securing the display member 14 in the closed position may be $_{15}$ employed if desired.

In the preferred form of the invention, one of the arm portions is provided with both hinges 72, 74. In the illustrated embodiment, the left arm portion 52 is provided with the hinges. However, it is to be understood that the hinges may be moved to the right arm portion 54 if desired. With the hinges located in arm portion 52, the other arm 54 is provided with an internal conduit 92 which houses the electrical connectors 94 coupling the screen 34 to the components housed in the base 12 as shown in FIG. 2. In the $_{25}$ illustrated embodiment, the electrical connectors 94 are carried by a ribbon as is known in the art. The ribbon 94 is threaded through a path which minimizes the stresses exerted on the ribbon during rotation of the arm assembly 16 relative to the base 12, and rotation of the display member 30 14 relative to the arm member. As the ribbon 74 enters the arm portion 54 from the display member 14, a complete loop (not shown) is formed in the ribbon. The loop selectively becomes tighter and looser as the display 14 is pivoted relative to the arm portion 54, preventing the electrical 35 connectors 94 from crimping. Similarly, instead of feeding the ribbon in a direct path from the arm portion 54 to the base 12, a second loop (not shown) is provided before the ribbon enters the base 12. This loop also reduces stresses on the ribbon during manipulation of the arm assembly 16.

The computer 10 includes a battery (not shown) for supplying power for the computer 10. As is known in the art, the computer 10 preferably also includes AC adaptor port for supplying power without using the battery. The battery is preferably a lithium ion rechargeable battery, although the 45 use of other types of batteries is within the scope of this invention. The battery is positioned in the rounded portion 64 of the base 12 such that the pivot axis extends through the battery. With this configuration, the overall size of the the door 21. The battery is held within the battery compartment of the base by prongs (not shown) extending from the opposite ends of the battery. When in position, electrical contact is made between contacts on the battery and connectors which are coupled to the printed circuit board within 55 the base 12 (not shown). Power conservation features to maximize battery life are advantageously implemented such as those disclosed in U.S. Pat. No. 5,396,635 and co-pending patent application Ser. Nos. 08/767,821; 08/459,341; 08/460,078; and 08/458,189; which are incorporated by 60 reference herein.

The computer 10 of the illustrated embodiment is automatically turned on for operation when the display 14 is lifted from the closed position overlying the base 12. This effect is achieved by a number of sensors which cooperate 65 to identify the position of the display relative to the base. A first sensor 102 is provided on the upper surface of the base

12 to signal when the display member is in a position overlying the base. The display may be in one of two orientations when overlying the base. The base includes a second sensor 104 to determine when the display is in the closed position, with the screen 34 facing the base 12. In the illustrated embodiment, the sensor is positioned in the recess 40 where it detects the presence of the clip retainer, indicating that the display is in the closed position and the screen is facing downwardly. When these conditions occur, the computer 10 is turned off. When the sensors 102 and 104 detect that the display has been moved from the closed position, the computer is automatically activated to the "on" condition. In this context, ON may mean that power is ON and that the CPU is operating in an active state, while OFF may mean that the computer is in some reduced power state such as in hybernation mode, sleep mode or the like power conservation mode. OFF may also mean that the computer is completely turned off. An advantage of eliminating disc drive in some embodiments is the virtually instant start up associated with loading operating system and applications from ROM. The memory door 19 and the battery door 21 also include sensors (not shown) which senses whether or not these doors are open so that a predetermined operating mode may be invoked or retained depending on the sensor condition. For example, if the memory door or battery door are open, the computer will remain OFF or in some hibernation or sleep mode. Sensors may also be provided to inform the computer of the orientation of the display so that the display screen and operating condition may be controlled accordingly. Sensors may be contact type or contact less, including such known devices as microswitches, magnetic switches, LED/photodiode sensor pairs, and the like. Logic circuits query the conditions of the switches and provide inputs to the CPU or other logic means to control or modify operation.

To allow the user to manually turn off the computer 10, the computer includes an on-off switch 106 located on the front surface 31 of the display 14. An indicator light 108 provides a visible signal indicating the on/off (operating/ non-operating) condition of the computer 10. An alarm light 110 is also provided to alert the user to various conditions. For example, the computer 10 may include scheduling software with the indicator alerting the user of a scheduled appointment or meeting. Although not included in the illustrated embodiment, the computer 10 may include a pager, with the alarm light being activated to notify the user of an incoming message. If a wireless modem is provided, the alarm light may also be used to notify the user of an incoming electronic message.

The foregoing descriptions of specific embodiments of the computer may be reduced. The battery is removable through 50 present invention have been presented for purposes of illustration and description. They are not intended to be exhaustive or to limit the invention to the precise forms disclosed, and obviously many modifications and variations are possible in light of the above teaching. The embodiments were chosen and described in order to best explain the principles of the invention and its practical application, to thereby enable others skilled in the art to best utilize the invention and various embodiments with various modifications as are suited to the particular use contemplated. It is intended that the scope of the invention be defined by the claims appended hereto and their equivalents.

What is claimed is:

- 1. A portable computer comprising:
- a base having an upper surface, a bottom surface, and spaced first and second side edges, a rear end portion, and a front end portion having a front peripheral base edge;